Whirlpool

Service Manual

Side by Side
S20B RSS31-A/G

Model S20B RSS31-A/G
Version 8586 151 01010

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This documentation is only intended for qualified technicians who are aware of the respective safety regulations.

Date: 18.11.2003 (Mod. 02)
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Subject to modification

Technical data

Factory Code	SB 540 W	
Dimensions		
Height	177.0	cm
Width	90.2	cm
Depth	77.4	cm
Capacity		
Total		
gross	546	l
net	490	l
Cooling		
gross	340	l
net	335	l
Freezing		
gross	206	l
net	133	l
Electrical connection		
Voltage	220 - 240	V
Frequency	50	Hz
Power consumption		
in 24 hours	1.37	kWh
Freezing capacity		
in 24 hours	12	kg
Compressor		
Type	EGY 90 HLC	
Capacity (CECOMAF)	174	W
Refrigerant		
Type	R 134 a	
Quantity	160	g
Thermostat		
Electronic		
Capacity (ice cube machine)		
in 24 hours	2.3	kg

Spare part list

Model **S20B RSS31-A/G**
Service No. **858615101010**
Version **858615101010**

Pos. No.	12NC Code	Description
012 1	**4812 528 78061**	Roller rear
012 3	**4812 528 78059**	Roller front
012 4	**4812 310 68021**	Key ,Wheel kit
040 0	**4812 417 19105**	Hinge ,upper
040 1	**4812 417 19106**	Hinge ,upper
040 2	**4812 417 19107**	Hinge ,bottom
040 4	**4812 417 19108**	Hinge ,bottom
040 6	**4812 417 19102**	Holder,adjust. bottom
040 7	**4812 417 78097**	Cover,hinge
040 8	**4812 417 78098**	Cover,hinge
047 0	**4819 021 82178**	Bushing door colling
047 1	**4812 532 48035**	Bushing door freezing
047 2	**4812 440 29369**	Cover ,door bushing cooling
047 4	**4812 462 28333**	Stopper ,door freezer
047 8	**4819 528 38428**	Cam ,door
070 0	**4812 464 88036**	Plinth
084 3	**4812 404 18386**	Rubber fan motor
101 0	**4812 416 18706**	Door,freezer
104 0	**4812 416 18707**	Door,refriger.
105 4	**4812 535 38099**	Bracket door freezer
111 0	**4812 462 68843**	Door handle ,cooling
111 1	**4812 462 68842**	Door handle ,freezing
111 2	**4812 462 28481**	Stopper
111 3	**4812 462 28479**	Stopper
111 4	**4812 462 28426**	Support door handle,ref.freezing
111 5	**4812 462 28482**	Support
111 7	**4812 459 18218**	Nameplate
131 0	**4812 460 48968**	Lever
131 1	**4812 460 48967**	Lever
131 2	**4812 440 10678**	Flap ,icemaker,with heater
131 3	**4819 021 80224**	Hopper icecubes,fannel
131 4	**4819 021 80208**	Holder ,flap
131 7	**4819 021 80223**	Delay
131 8	**4819 021 80210**	Pin
151 0	**4812 418 28369**	Profile
152 2	**4812 418 28366**	Door,dairy
153 0	**4812 418 28371**	Flap ,door dairy
153 3	**4812 418 28372**	Bottle shelf
153 7	**4812 418 28381**	Holder, eggs
154 0	**4812 418 28421**	Door,dairy
154 1	**4812 418 28374**	Separator
154 2	**4812 404 78552**	Bushing door dairy
154 3	**4812 462 28478**	Stopper
154 4	**4812 418 28373**	Holder,bottles upper
154 6	**4812 418 28376**	Holder,bottles bottom
154 9	**4812 418 28422**	Door,dairy
155 0	**4819 418 79054**	Rack,egg
191 0	**4812 466 88644**	Magnetic seal cooling
191 1	**4812 466 88645**	Magnetic seal freezing
201 7	**4819 466 69949**	Gasket
233 2	**4812 404 48697**	Support grid
239 2	**4812 440 98124**	Support flap
239 4	**4812 440 69204**	Cover ,icemaker
239 5	**4812 418 28419**	Ice maker
239 7	**4812 418 28368**	Container ice
239 8	**4812 418 28367**	Container ,ice,cpl.
241 0	**4812 458 19113**	Basket
241 1	**4812 458 19112**	Basket bottom
241 3	**4812 440 69202**	Insert basket
241 5	**4812 460 49285**	Trim ,basket
242 0	**4812 418 28365**	Drawer bottom
242 1	**4812 418 28363**	Drawer upper
242 3	**4812 418 28364**	Drawer center
245 5	**4812 458 19108**	Grid upper
245 6	**4812 458 19109**	Grid lower
245 8	**4812 458 19111**	Basket
245 9	**4812 440 79049**	Tray,leak
249 0	**4812 460 49286**	Trim
249 1	**4812 460 49283**	Trim basket
249 2	**4812 460 49284**	Trim
249 3	**4812 460 49287**	Trim
249 4	**4812 460 49282**	Trim glass plate
249 9	**4812 460 49288**	Trim
251 0	**4812 380 28027**	Reflector cooling
251 1	**4812 440 98122**	Cover f. lamp cooling
251 4	**4812 404 18387**	Gasket lamp
251 5	**4812 460 49289**	Trim
251 8	**4812 380 28028**	Lid, lamp
251 9	**4812 440 98125**	Cover f. lamp freezer
252 0	**4812 440 29367**	Lampholder ,lamp
253 1	**4812 462 79645**	Cover Switch
255 1	**4812 450 88094**	Glass shelf
255 4	**4812 450 88095**	Glass shelf
255 5	**4812 450 88096**	Glass shelf
255 7	**4812 418 28359**	Frame ,glassplate
255 8	**4812 418 28361**	Frame ,glassplate
255 9	**4812 418 28362**	Frame ,glassplate
256 0	**4812 460 58384**	Slide air inlet
256 5	**4819 466 98997**	Rail air inlet
261 0	**4812 462 38139**	Slide right
261 1	**4812 462 38138**	Slide left
263 7	**4812 460 98041**	Guide icmaker
263 8	**4812 404 48702**	Stud
263 9	**4812 404 48701**	Stud
304 0	**4812 418 88995**	Support ,electrical parts
320 0	**4812 453 10084**	Panel,control
324 6	**4812 442 29167**	Air diffuser
400 0	**4812 028 58341**	Motor ,ice conveyor
402 0	**4812 360 38812**	Compressor EGY 90 HLC CP
402 1	**4812 418 28378**	Cup,thaw water
402 2	**4819 360 48014**	Valve flap
402 4	**4819 492 68712**	Clip,fix f.compressor
406 2	**4812 440 89009**	Housing icemaker
406 3	**4812 492 98032**	Spring icemaker
406 6	**4812 440 79024**	Support ,motor
406 7	**4812 440 79023**	Cover
406 8	**4812 530 88024**	Shaft gear
407 0	**4812 404 78554**	Fastener
407 1	**4812 310 28142**	Bushing for shaft kit
420 0	**4812 120 28023**	Capacitor

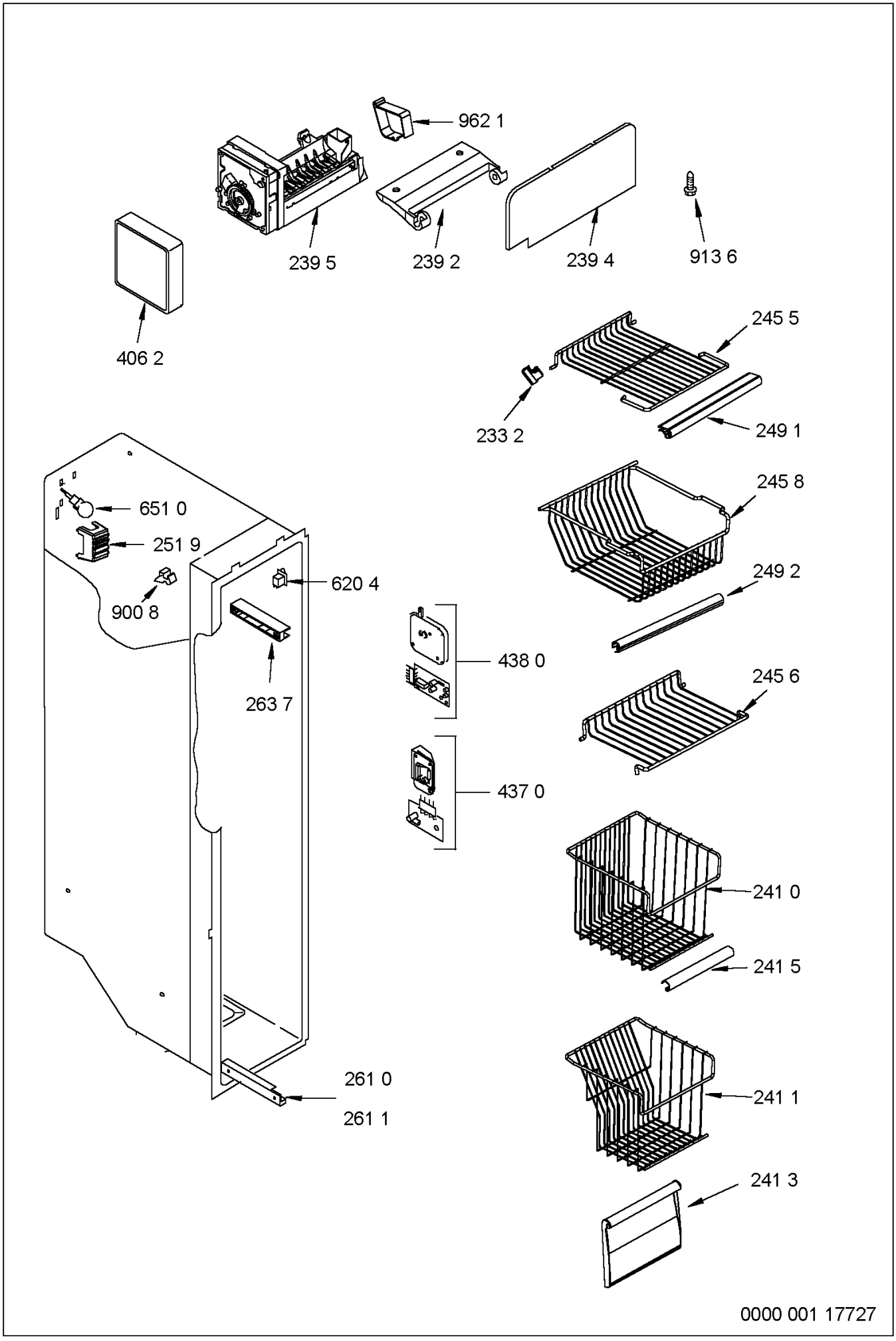
Spare part list

Model **S20B RSS31-A/G**
Service No. **858615101010**
Version **858615101010**

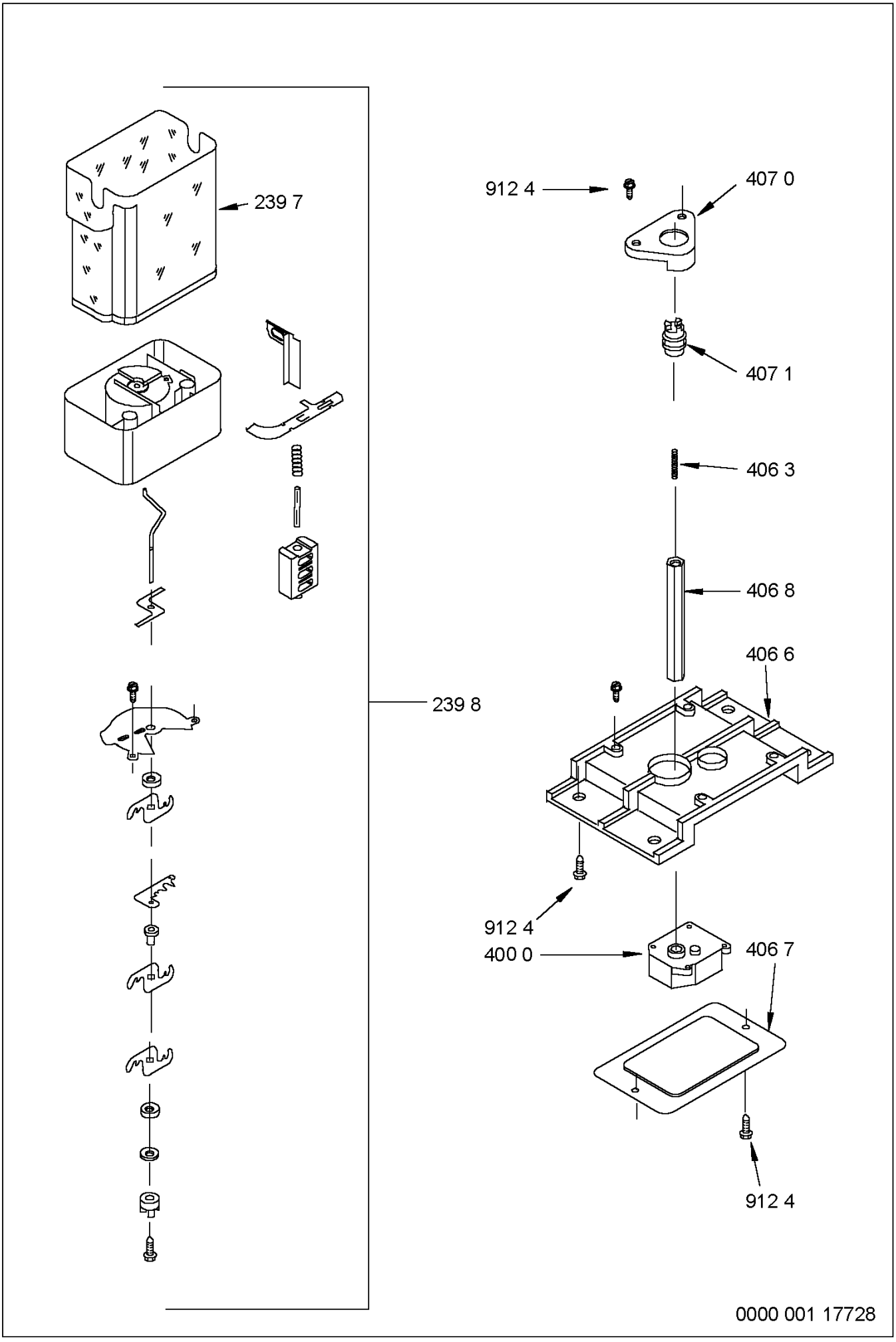
Pos. No.	12NC Code	Description
420 3	**4819 021 58826**	Damper
420 4	**4812 442 29019**	Insulator
437 0	**4812 218 48049**	Sensor ,emitter
438 0	**4812 217 28001**	Receiver
440 1	**4819 360 58609**	Valve
440 3	**4812 445 28021**	Air diffuser , + motor
440 4	**4812 462 38141**	Slide
440 5	**4819 021 82147**	Grid,air
440 6	**4819 462 38778**	Slide
440 7	**4812 452 98237**	Insulator condenser
441 0	**4812 028 58339**	Motor
441 1	**4819 462 48418**	Grommet compressor
441 2	**4812 440 68962**	Support right
441 5	**4812 440 68963**	Support ,left
442 0	**4812 361 38067**	Motor,fan
442 1	**4819 404 78682**	Bracket
443 0	**4819 515 48057**	Fan blade
443 1	**4812 440 79018**	Holder ventilator
451 0	**4819 021 88177**	Element defrost
451 1	**4819 401 18692**	Clamp
491 0	**4812 290 88087**	Cover connection block
526 2	**4812 440 79019**	Control board + housing
526 5	**4812 440 29368**	Lid ,electronic box
561 0	**4812 290 68269**	Protect,motor
561 2	**4812 440 79022**	Cover overload
562 0	**4812 320 58132**	Cable harness ,Bi-metal thermo.
571 0	**4812 360 58283**	Valve , inlet
614 0	**4812 290 68262**	PTC-Unit
620 1	**4812 277 88002**	Switch
620 4	**4819 276 18157**	Switch light
621 0	**4819 271 38044**	Microswitch icemaker + dispenser
626 1	**4819 442 78119**	Drawer
651 0	**4812 134 28078**	Lamp
651 2	**4812 134 28077**	Lamp ,dispenser unit
652 4	**4819 021 80200**	Holder,lamp dispenser
691 4	**4812 404 78553**	Support sensor
691 7	**4812 310 18846**	Sensor KIT
701 0	**4819 526 48444**	Coupling piece ,icl.hose
702 0	**4812 530 29195**	Hose
711 0	**4812 530 28999**	Reservoir
740 0	**4812 511 38215**	Condenser
743 1	**4812 440 98121**	Cover ,air diffuser
745 0	**4812 360 38648**	Evaporator
745 2	**4812 440 79025**	Cover evaporator
745 4	**4819 492 68684**	Clip
745 6	**4819 021 49294**	Heat shield evaporator
746 1	**4812 404 48822**	Air guide
746 2	**4812 440 69203**	Cover evaporator
746 3	**4812 440 98062**	Gasket air guide
764 0	**4819 480 28144**	Dryer
781 0	**4812 262 78009**	Cap ,water filter
781 1	**4812 535 48013**	Clutch waterhose
781 3	**4812 530 29157**	Adapter hose ,3/4"
781 7	**4812 466 88646**	Clutch ,icemaker
781 8	**4812 817 28986**	Filter ,water SxS

Pos. No.	12NC Code	Description
781 9	**4812 418 28379**	Filter body
783 1	**4812 360 68491**	Hose ,icemaker
783 8	**4812 530 29159**	Hose, inlet
783 9	**4812 530 29158**	Hose,connection filter/inlet valve
785 0	**4812 530 29162**	Tube
900 5	**4819 492 68544**	Clip,fix
900 7	**4819 492 68683**	Clip heating element
900 8	**4819 492 69522**	Clip
910 9	**4819 505 18249**	Nut water reservoir
911 7	**4819 505 18256**	Nut icemaker hose
912 4	**4812 560 18063**	Screw
912 5	**4812 560 18064**	Screw
913 2	**4812 560 18013**	Screw freezer door
913 3	**4812 560 18011**	Screw ,freezer door
913 4	**4812 500 18094**	Spindle ,thread,front
913 5	**4812 500 18093**	Spindle ,thread,rear
913 6	**4819 004 89478**	Screw icemaker
913 7	**4812 502 18578**	Screw
930 0	**4819 021 80209**	Spring icemaker
930 1	**4819 021 94719**	Rail
930 2	**4812 418 88043**	Strain relief
962 1	**4812 440 79026**	Cover , Cable harness

Exploded view



Exploded view



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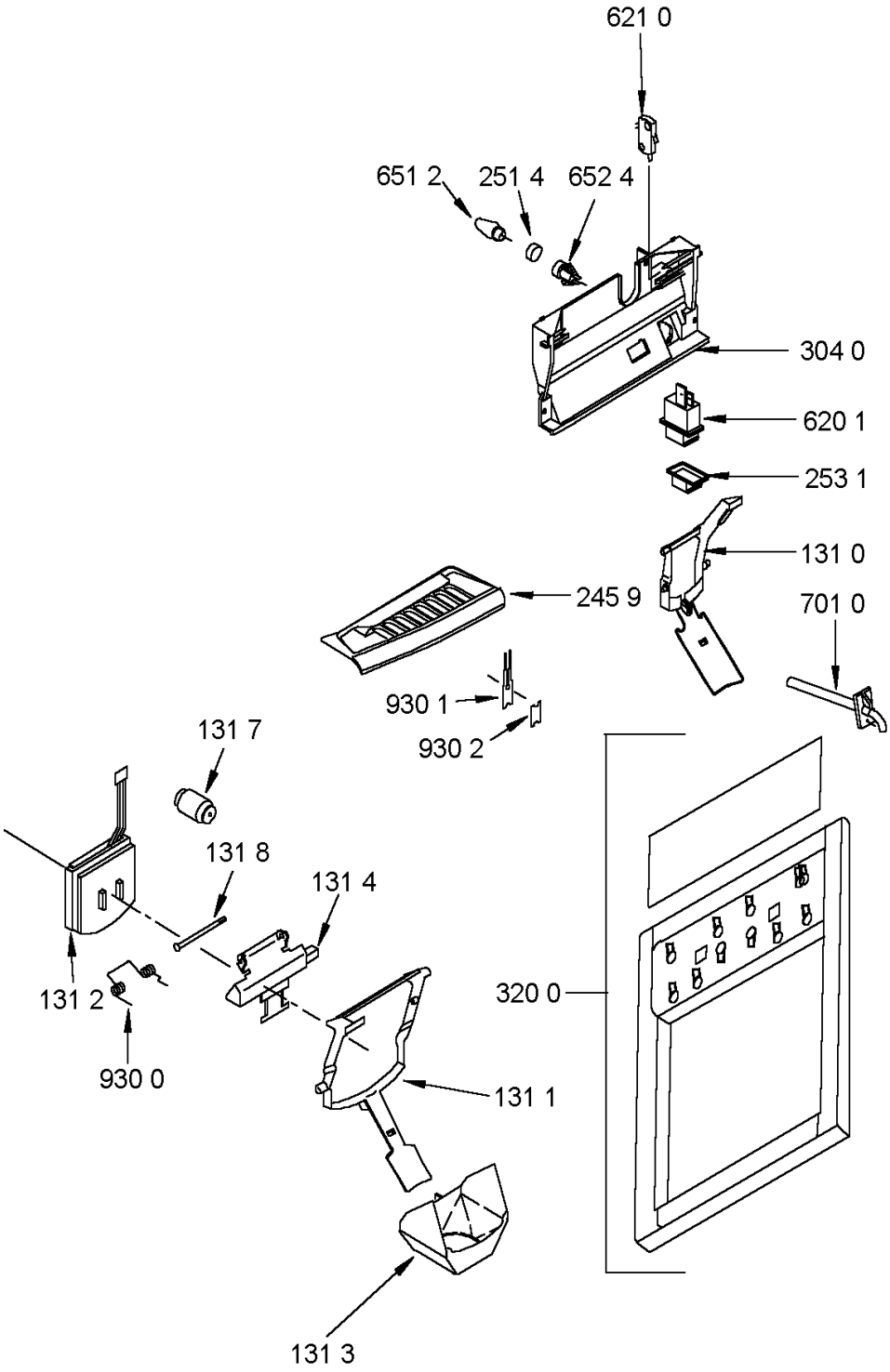

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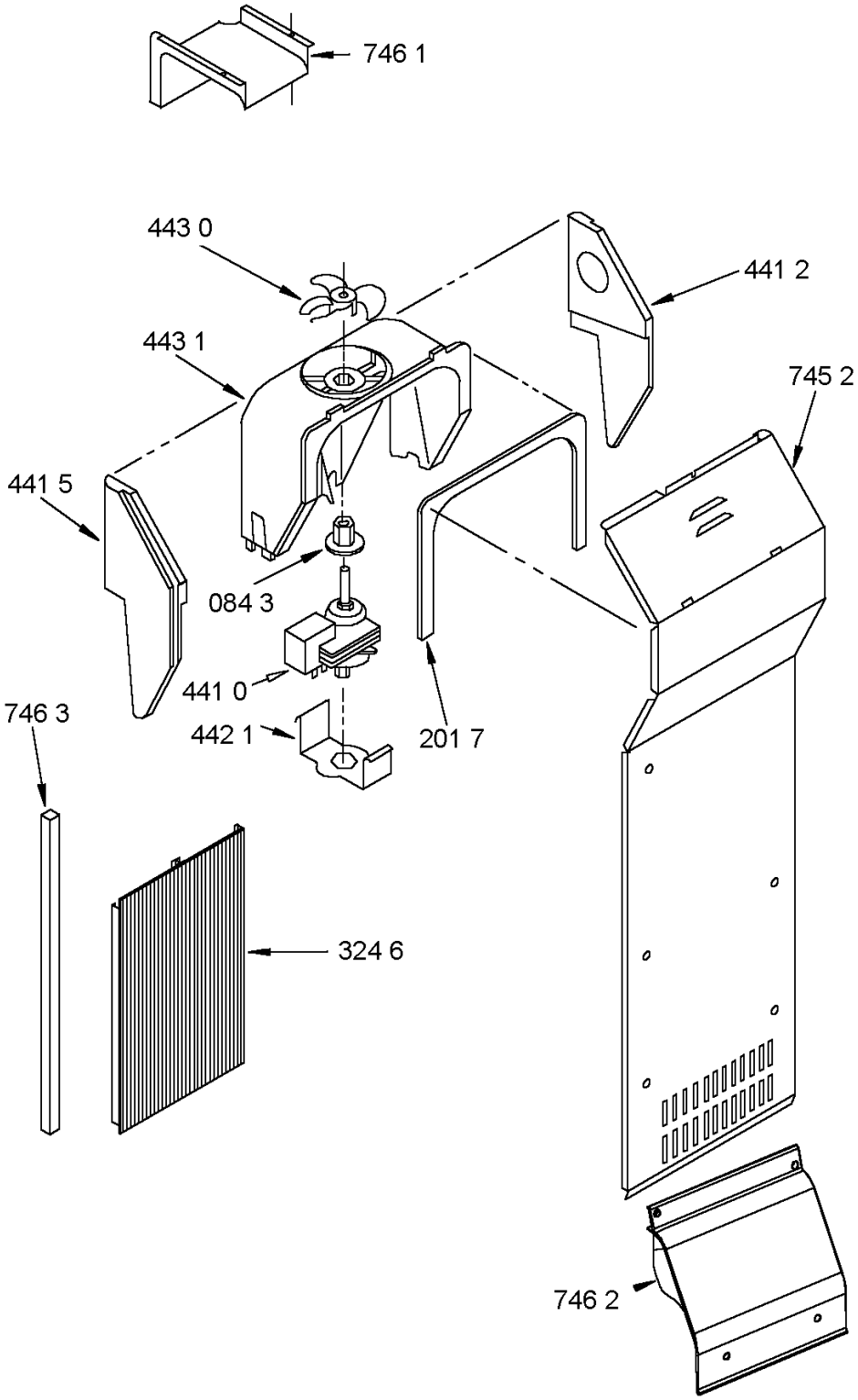

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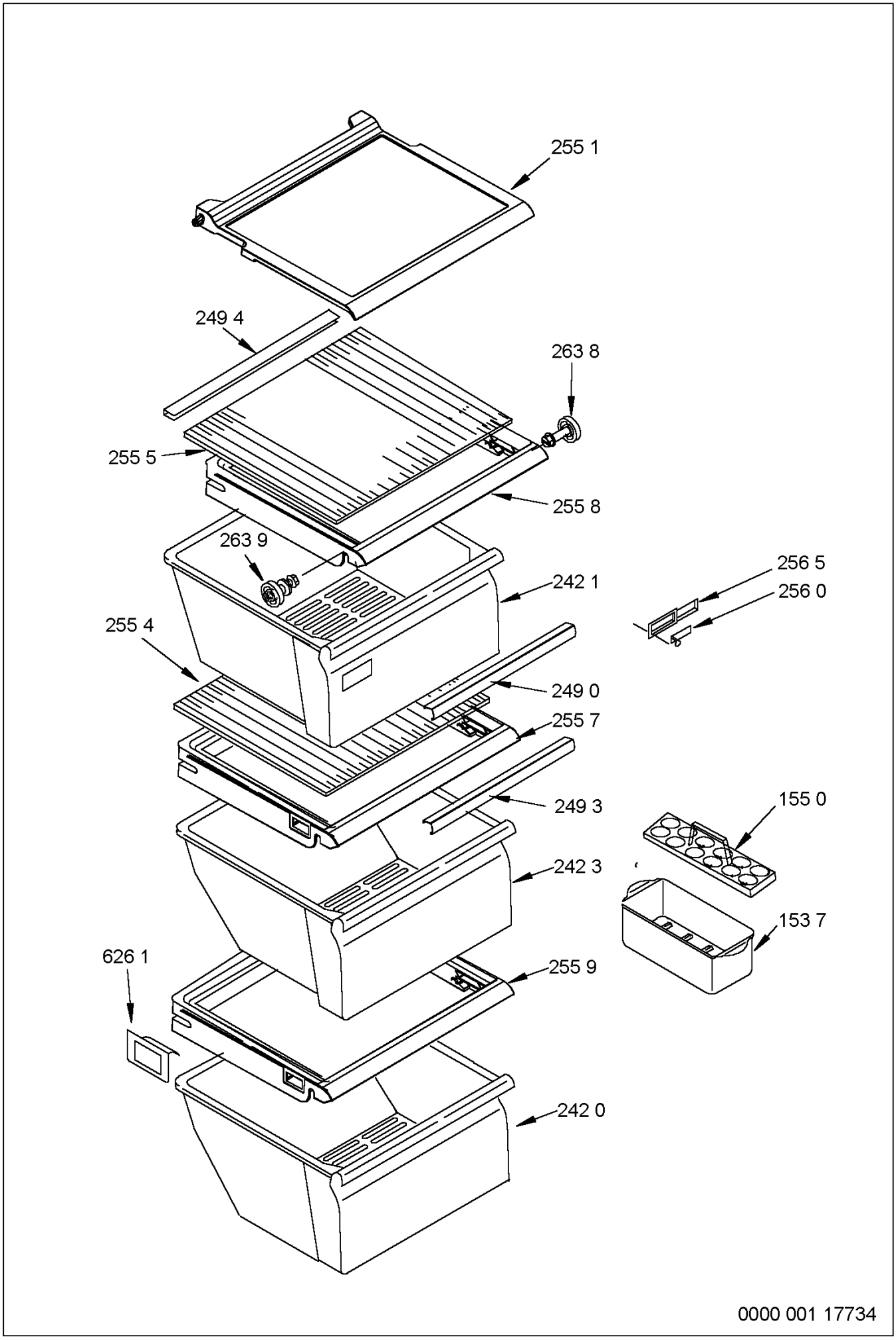

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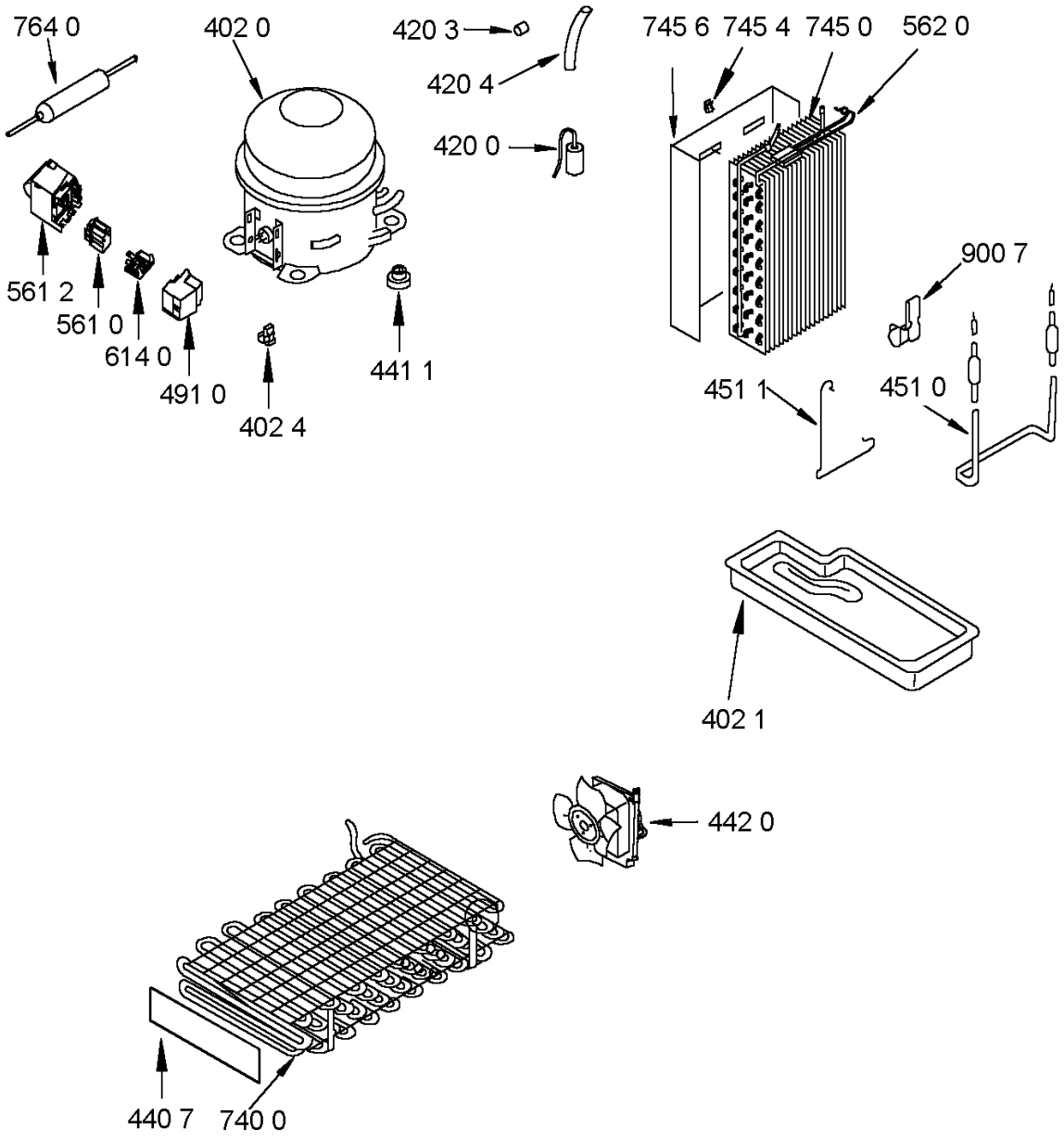

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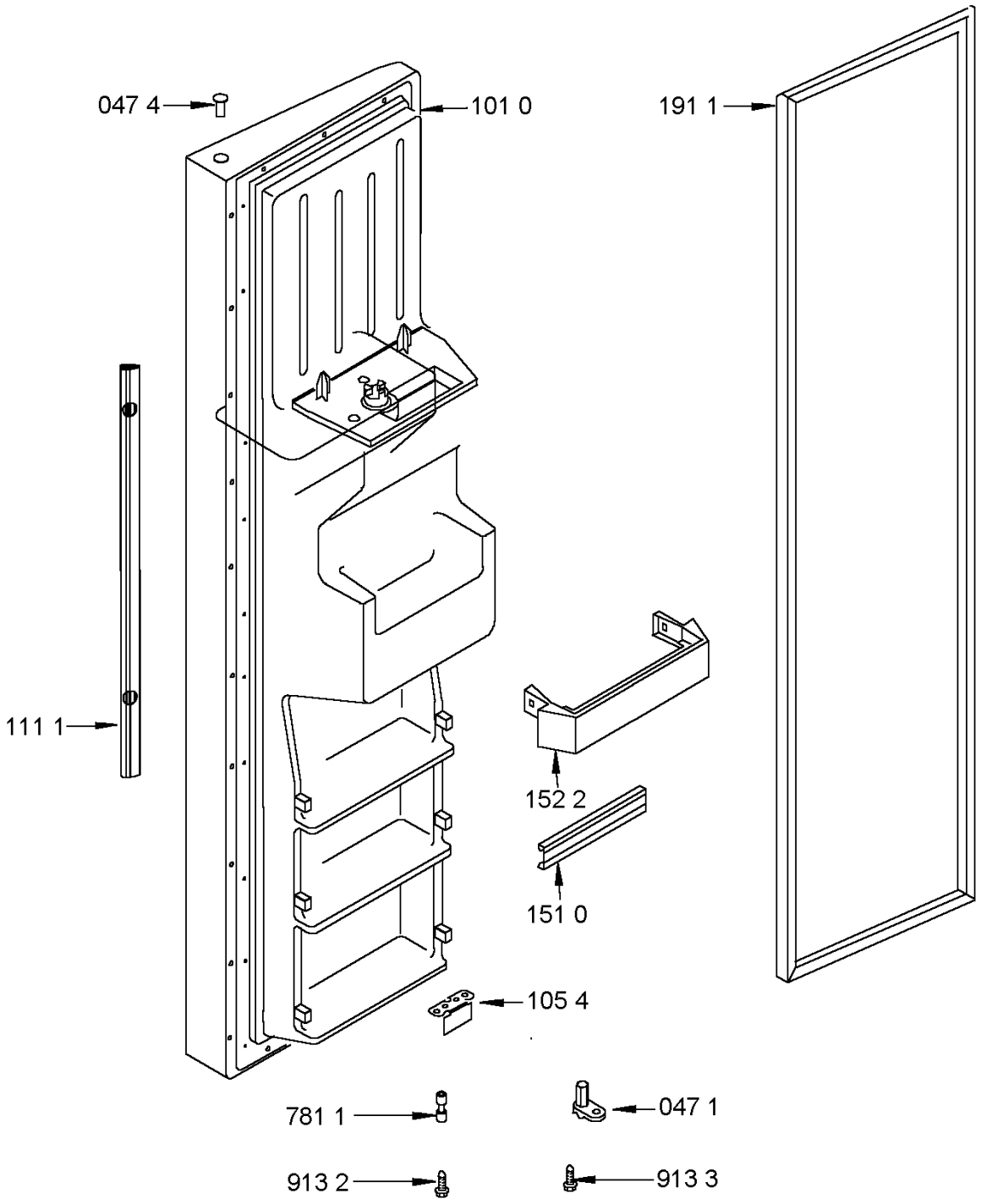

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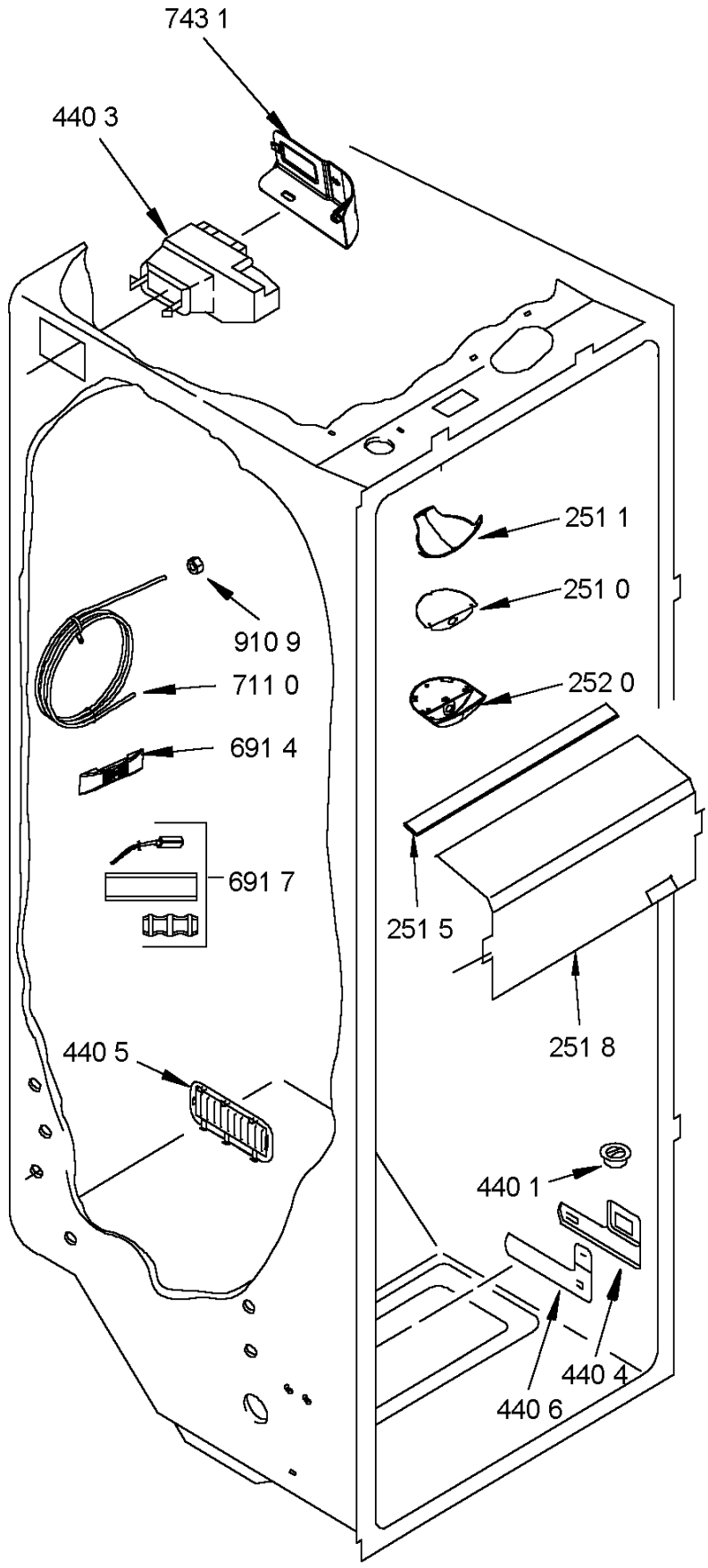

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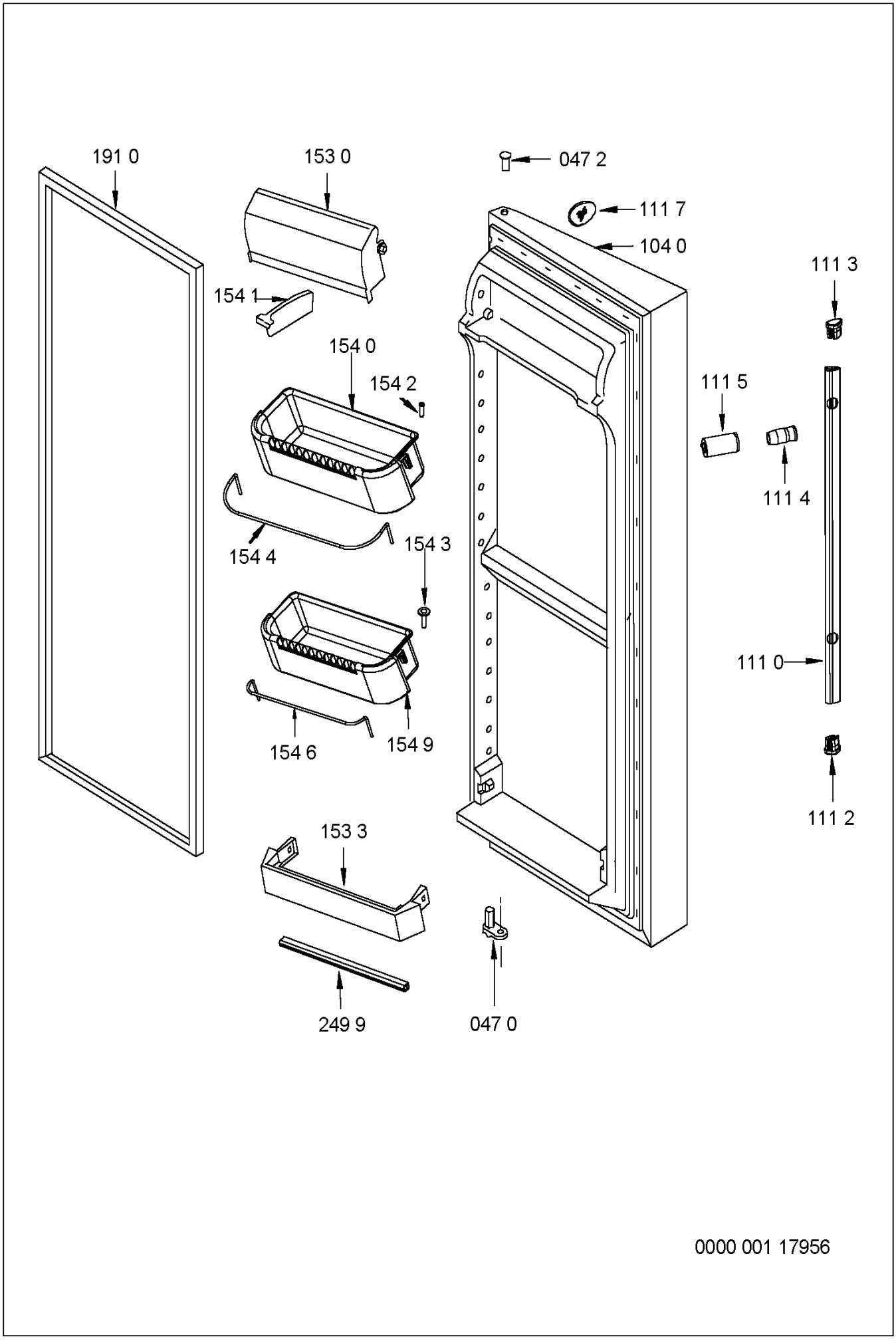

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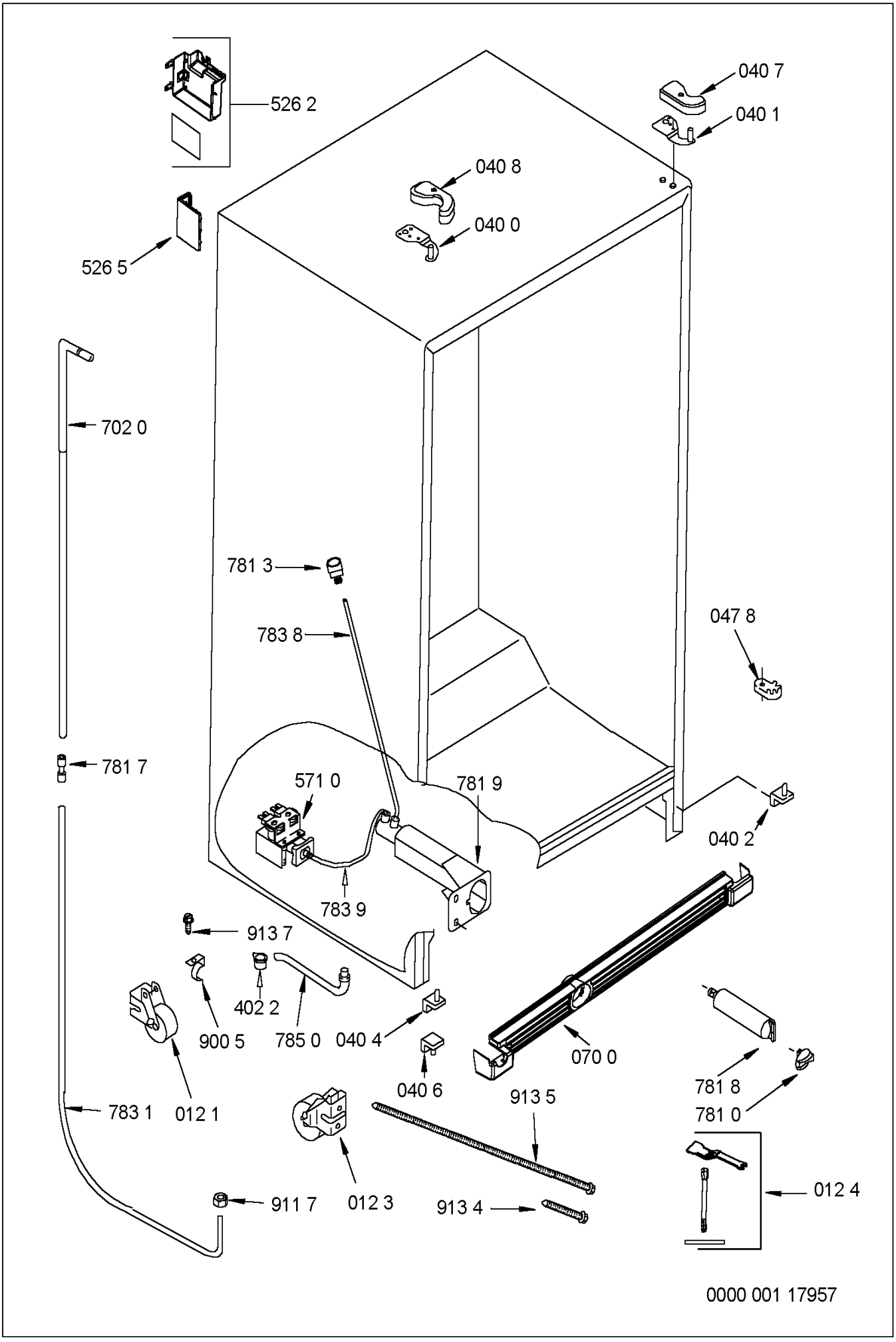
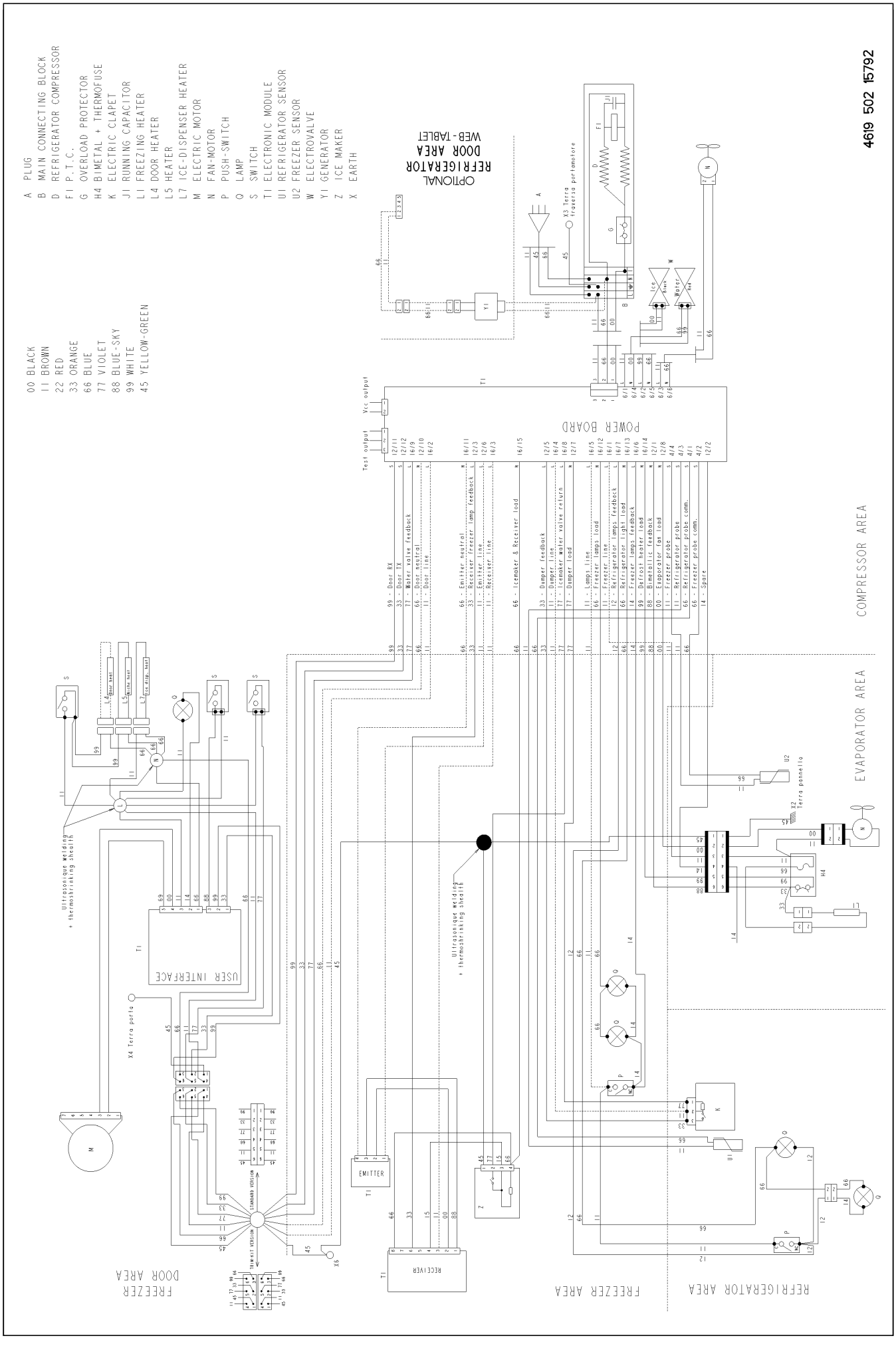


Circuit and Wiring diagram



Circuit and Wiring diagram